

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



**Less waste.
More wisdom.**





Innovation, Knowledge Systems, and Digital Transformation

**STRENGTHENING RESEARCH CULTURE,
EXPANDING DIGITAL INFRASTRUCTURE,
FOSTERING STUDENT CREATIVITY, AND
ADVANCING SOCIAL INNOVATION**

*“Innovation begins with curious minds, bold ideas,
and the digital tools that turn knowledge into
meaningful impact.”*



Masuma Obidjonova,
University Press Secretary

In 2024, TSUULL strengthened its contribution to SDG 9 by investing in modern digital infrastructure, fostering a culture of creativity and student-led innovation, expanding access to technology-enhanced learning, and building strong partnerships with national and international organizations. As a university specializing in languages and social sciences, TSUULL approached SDG 9 through social innovation, digital transformation, and the modernization of learning and research environments. These efforts have resulted in improved access to digital resources, upgraded campus systems, increased student participation in creative and research-based activities, and a stronger platform for collaboration and knowledge exchange.

Digital Transformation: Expanding Access & Modern Learning

In 2024, TSUULL accelerated its digital transformation agenda, ensuring that technology meaningfully enhances teaching, learning, and research across all faculties. The university completed a full modernization of campus Wi-Fi, providing faster, more stable connectivity in academic buildings, dormitories, and common areas—an essential foundation for online learning and digital academic services. Digital Language Laboratories were upgraded with advanced software for translation practice, phonetic training, and linguistic analysis, allowing students in language and social science programs to engage with interactive, research-based tools that mirror professional environments. At the institutional level, TSUULL strengthened its online academic systems, introducing improvements such as digital transcripts, streamlined e-registration, updated e-learning modules, and enhanced access to online assessments. These upgrades not only increased system efficiency but also significantly reduced administrative burden for students and staff.

The university's Digital Library expanded to more than 22,500 multilingual resources, providing broader access to global research, academic publications, and specialized databases that support coursework and scholarly pursuits.

In 2024, TSUULL's digital transformation efforts showed clear progress, with the number of smart classrooms increasing from 18 to 32, enabling more interactive and technology-supported learning. The university also strengthened digital literacy by delivering more than 40 digital skills workshops for students and staff. Usage of the E-University system rose by 45%, reflecting growing reliance on digital academic services such as online registration, transcripts, and learning modules. Together, these advancements improved teaching quality, streamlined administrative processes, and expanded access to modern digital tools across the campus.

Collectively, these advancements have made academic processes smoother, strengthened the university's online learning capacity, and expanded opportunities for students to engage with high-quality digital tools. TSUULL's renewed focus on digital transformation is helping create a modern, accessible, and research-friendly environment that aligns with global standards in higher education.



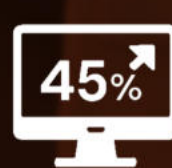
Smart
classrooms

32 in 2024
(up from 18 in
2023)



Digital skills
workshops

40+ sessions
delivered to
students and
staff



E-University
system usage

Increased
by 45%
in 2024



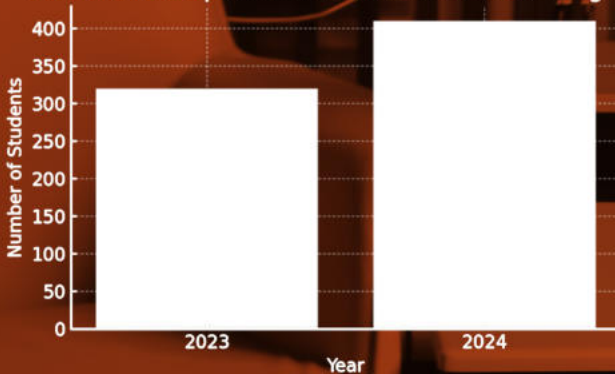
FOSTERING INNOVATION, CREATIVITY, AND DIGITAL EXPRESSION

Student Innovation & Creative Development

In 2024, TSUULL saw a remarkable rise in student innovation, with learners actively engaging in creative research, multimedia production, translation technologies, and digital storytelling. These activities reflected a growing culture of experimentation and academic curiosity across the university's language and social science disciplines. The TSUULL Creative Innovation Studio played a central role in this progress, providing students with access to filmmaking equipment, podcasting tools, and writing support that enabled them to nurture innovative thinking through mentorship, coaching sessions, and practical guidance on project design and implementation.

In 2024, participation in student innovation initiatives grew substantially, with **410 students** taking part in various programs—an impressive rise from **320 students in 2023**, demonstrating the university's expanding innovation culture.

Student Participation in Innovation-Related Programs



During the year, TSUULL provided institutional support to 18 student-led creative and innovation projects, enabling learners to transform ideas into meaningful academic or digital outputs. Engagement was also strong across a wide range of activities, including translation competitions, debate tournaments, digital humanities projects, and cultural research initiatives, reflecting the diverse interests and strengths of the student community. Together, these developments underscore the rapid growth of student-led creativity and innovation across the university.

This surge in student engagement highlights TSUULL's strengthening ecosystem for creative expression and academic innovation. Students increasingly explored themes related to social sciences, culture, linguistics, media, and intercultural communication, demonstrating the expanding relevance of innovation within the humanities. By providing the tools, spaces, and guidance necessary for students to experiment and develop their ideas, TSUULL continues to foster a dynamic environment where creativity, critical thinking, and problem-solving skills can thrive.





INFRASTRUCTURE MODERNIZATION FOR INNOVATION & RESEARCH

In 2024, TSUULL made significant investments in modernizing its physical and digital infrastructure to strengthen innovation, research, and creative learning across the university. A major focus of this effort was upgrading classrooms with interactive boards, high-resolution projectors, and lecture-recording equipment, enabling faculty to deliver more engaging, technology-supported instruction. These enhancements also improved accessibility to hybrid and multimedia teaching formats, aligning classroom environments with contemporary academic standards.

A notable achievement was the full renovation of the Media & Communications Center, which now supports advanced video production, audio recording, podcast creation, and digital content development. This upgraded facility has become a central hub for students specializing in languages, media, intercultural communication, and digital storytelling, giving them access to professional-level tools and hands-on experience.

To further promote collaborative research and group-based learning, TSUULL introduced new research collaboration zones equipped with flexible seating, mobile whiteboards, and digital workstations. These spaces provide an open environment for interdisciplinary work, student projects, and academic discussions—fostering a vibrant culture of inquiry and creativity.

Sustainability and accessibility were also integrated into the modernization strategy. Several academic buildings received improved lighting systems, energy-efficient fixtures, and upgraded accessibility features, creating a safer, more inclusive, and environmentally friendly campus environment.

Together, these upgrades have transformed the university's academic landscape, providing students and faculty with the spaces, tools, and atmosphere needed to support high-quality research, innovative teaching practices, and creative experimentation.

TSUULL's 2024 progress under SDG 9 shows a university actively evolving its digital capacity, enriching student innovation ecosystems, and strengthening partnerships that expand knowledge and creative opportunity. These advances position TSUULL as a forward-looking institution where language, culture, and social science disciplines are empowered through modern technology and vibrant collaborative networks.

